



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

## NOTICE OF ACCEPTANCE (NOA)

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Pella Corporation**  
**102 Main Street**  
**Pella, IA 50219**

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series "350 HurricaneShield® Vinyl" 4½-inch White PVC Fixed Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. PELL0023, titled "Series 350 4½" Vinyl Fixed Window – Impact", sheets 1 through 8 of 8, dated 09/13/12, prepared by PTC Product Design Group, LLC, with the latest revision dated 12/31/12, signed and sealed by Robert James Amoruso, P. E., bearing the Miami-Dade County Product Control Section Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, Murray, Kentucky, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J. Gascon*  
1/10/13

NOA No. 12-0924.02  
Expiration Date: January 17, 2018  
Approval Date: January 17, 2013  
Page 1

**Pella Corporation**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **PELL0023**, titled "Series 350 4½" Vinyl Fixed Window – Impact", sheets 1 through 8 of 8, dated 09/13/12, prepared by PTC Product Design Group, LLC, with the latest revision dated 12/31/12, signed and sealed by Robert James Amoruso, P. E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202–94  
3) Water Resistance Test, per AAMA/ WDMA/ CSA 101/ I.S. 2/ A440–08 and FBC, TAS 202–94  
4) Large Missile Impact Test per FBC, TAS 201–94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203–94  
along with marked-up drawings and installation diagram of Vinyl Fixed Window, prepared by Element Materials Technology Des Moines, Inc., Test Report No. **EMTI Des Moines – ESP010156P**, dated 06/13/12, signed and sealed by Jason R. Steen, P. E.

**C. CALCULATIONS**

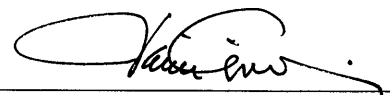
1. Anchor calculations and structural analysis, complying with **FBC–2010**, dated 09/17/12, prepared by PTC Product Design Group, LLC, with the latest revision dated 12/06/12, signed and sealed by Robert James Amoruso, P. E.
2. **Glazing complies with ASTM E1300–04**

**D. QUALITY ASSURANCE**

1. Miami–Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **11–0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **11–0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/11, expiring on 12/11/16.
3. Notice of Acceptance No. **11–0830.09** issued to Mikron Industries, Inc. for "**White Rigid PVC Exterior Extrusions for Windows and Doors**" dated 10/06/11, expiring on 12/26/16.



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 12–0924.02  
Expiration Date: January 17, 2018  
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**F. STATEMENTS**

1. Statement letter of no financial interest, conformance and complying with **FBC-2010**, issued by PTC Product Design Group, LLC, dated 09/13/12, signed and sealed by Robert J. Amoruso, P. E.
2. Laboratory addendum letter for Test Report No. **EMTI-ESP010156P**, issued by Element Materials Technology Des Moines, Inc., dated 08/23/12, signed and sealed by Jason R. Steen, P. E.
3. Laboratory compliance letter for Test Report No. **EMTI-ESP010156P**, issued by Element Materials Technology Des Moines, Inc., dated 06/13/12, signed and sealed by Jason R. Steen, P. E.
4. Proposal No. **12-0115** issued by Product Control, dated 03/06/12, signed by Manuel Perez, P. E.

**G. OTHERS**

1. None.



**Jaime D. Gascon, P. E.**

**Product Control Section Supervisor**

**NOA No. 12-0924.02**

**Expiration Date: January 17, 2018**

**Approval Date: January 17, 2013**

PELLA CORPORATION  
***SERIES 350 4-1/2" VINYL FIXED WINDOW - LMI***  
***INSTALLATION ANCHORAGE DETAILS***

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED, EVALUATED AND DESIGNED TO THE DESIGN PRESSURE(S) STATED HEREIN AS FOLLOWS.
- 1.1. IN COMPLIANCE WITH THE 2010 FLORIDA BUILDING CODE - SECTIONS 1609.1.2, 1626, 1715.5.2, 1715.5.4 AND 2411.3 AND TO THE 2010 FLORIDA RESIDENTIAL CODE - SECTIONS R301.2.1.2, R612.6, R612.10, R4403.16 AND R4410.2.3.
- 1.2. PERFORMANCE STANDARDS:
- 1.2.1. TAS 201-94, LARGE MISSILE IMPACT
- 1.2.2. TAS-202-94
- 1.2.3. TAS 203-94
2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NO. ESP010156P, DATED JUNE 13, 2012 AND ASSOCIATED LABORATORY DRAWINGS BY ELEMENT MATERIALS TECHNOLOGY, DES MOINES, IA. TESTING WAS CONDUCTED TO TAS 201-94, TAS 202-94 AND TAS 203-94.
3. THIS PRODUCT EVALUATION DOCUMENT IS FOR USE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
4. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY, 2X FRAMING AND METAL FRAMING SUBSTRATES AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
5. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
6. WHEN INSTALLED IN LOCATIONS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, THE FOLLOWING:
- 6.1. HIGH VELOCITY HURRICANE ZONE (HVHZ):
- 6.1.1. LARGE MISSILE IMPACT REQUIREMENTS AT HEIGHTS UP TO 30 FEET ABOVE GRADE:
- 6.1.1.1. THESE WINDOWS MEET LARGE MISSILE IMPACT REQUIREMENTS OF THE 2010 FBC, SECTION 2411.3.3.7 AND DO NOT REQUIRE USE OF AN APPROVED HVHZ IMPACT PROTECTIVE SYSTEM. SEE NOTE 3 ON SHEET 7 OF 8.
- 6.1.2. SMALL MISSILE IMPACT REQUIREMENTS AT HEIGHTS EXCEEDING 30 FEET ABOVE GRADE:
- 6.1.2.1. THESE WINDOWS MEET SMALL MISSILE IMPACT REQUIREMENTS OF THE 2010 FBC, SECTION 2411.3.3.7 WHEN GLAZED ON THE EXTERIOR USING SAFETY GLAZING AND DO NOT REQUIRE USE OF AN APPROVED HVHZ IMPACT PROTECTIVE SYSTEM. SEE NOTE 4 ON SHEET 7 OF 8.
- 6.2. WINDBORNE DEBRIS AREAS OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (NON-HVHZ):
- 6.2.1. WHEN INSTALLED IN LOCATIONS WHERE NON-HVHZ WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, THIS PRODUCT DOES NOT REQUIRE USE OF AN APPROVED IMPACT PROTECTIVE SYSTEM.
7. SITE CONDITIONS NOT COVERED IN THIS PRODUCT EVALUATION DOCUMENT ARE SUBJECT TO ADDITIONAL ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
8. BOUNDING BOX DIMENSIONS FOR GEOMETRIC FIXED WINDOW SHAPES MUST BE EQUAL TO OR LESS THAN RECTANGULAR DIMENSIONS SHOWN HEREIN.
9. MATERIALS:
- 9.1. WINDOW FRAME MATERIAL: VINYL (PVC).
- 9.2. LAMINATED GLAZING INTERLAYERS
- 9.2.1. DUPONT SENTRYGLAS INTERLAYER MATERIAL.
- 9.2.2. DUPONT BUTACITE INTERLAYER MATERIAL.
10. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-09a.
11. DESIGNATION "O" STANDS FOR FIXED LITE/SASH.
12. THESE DRAWINGS CERTIFY THE WINDOW INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED WINDOW IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER AND/OR THE INSTALLER.

INSTALLATION NOTES:

1. PRODUCT ANCHORS SHALL BE AS DESIGNATED AND LOCATED AS SHOWN IN THIS PRODUCT EVALUATION DOCUMENT. ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
2. SEE INSTALLATION ANCHOR SCHEDULE ON SHEET 2 FOR TYPE AND GRADE OF ANCHOR, AND/OR MANUFACTURER'S ANCHOR SPECIFICATIONS, INCLUDING MINIMUM NOMINAL SIZE, MINIMUM EMBEDMENT INTO SUBSTRATE AND MINIMUM EDGE DISTANCES.
- 2.1. EDGE DISTANCES SHALL BE MEASURED FROM CENTERLINE OF ANCHOR TO EDGE OF STRUCTURAL SUBSTRATE EITHER TO THE INTERIOR OR EXTERIOR OF THE FENESTRATION PRODUCT.
- 2.2. MINIMUM EMBEDMENT SHALL BE BASED ON PENETRATION INTO MAIN WIND FORCE RESISTING SYSTEM SUBSTRATE.
3. SEE SHEETS 4, 5 AND 6 FOR SPECIFIC ANCHOR INSTALLATION DETAILS.
4. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
5. THE NUMBER OF INSTALLATION ANCHORS IS BASED ON THE MAXIMUM END DISTANCE (ED) AND THE MAXIMUM ON CENTER (O.C.) SPACING PLACEMENT OF ANCHORS IN ACCORDANCE WITH THE ELEVATION DRAWING ON SHEET 3. END DISTANCES AND O.C. SPACINGS LESS THAN THAT SHOWN IN THE ELEVATION ARE ACCEPTABLE.
- 5.1. SEE INSTALLATION NOTES ON 3 FOR ADDITIONAL DETAILS.
6. MAXIMUM ALLOWABLE SHIM THICKNESS IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF WOOD COMPOSITE, HIGH DENSITY PLASTIC OR SIMILAR LOAD BEARING MATERIAL.
- 6.1. FOR BLOCK, FIN & FLANGE FRAME INSTALLATIONS, SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR.
7. FOR CONCRETE BLOCK APPLICATIONS DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS.
8. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED IN THE INSTALLATION ANCHOR SCHEDULE ON SHEET 2.

SEE SHEET 2 FOR DESIGN PRESSURES.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS
2	ANCHOR SCHEDULES AND DP CHART
3	ELEVATIONS & ANCHOR LAYOUTS
4, 5 & 6	INSTALLATION SECTIONS
7	GLAZING DETAIL AND NOTES, INSTALLATION CLIP DETAILS
8	BILL OF MATERIALS AND COMPONENT DETAILS

PROJECT # 411-1201.09

PELLA CORPORATION  
102 MAIN STREET  
PELLA, IA 50219

TITLE: SERIES 350 4-1/2" VINYL FIXED WINDOW - IMPACT  
GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS  
PREPARED BY:

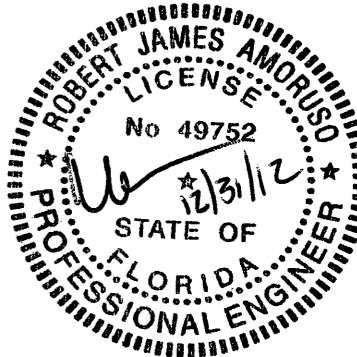
DATE: 09/13/12  
DRAWING NO: PELL0023  
SHEET: 1 OF 8

DRAWN BY: RJA  
SCALE: N.T.S.  
REV: -

PTC PRODUCT DESIGN GROUP, LLC  
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Approved as complying with the  
Florida Building Code  
Date: 12-21-12  
NOA#: 12-6324-02  
Miami Code Product Control  
By: [Signature]

Robert J. Amoruso, P.E.  
Florida P.E. No. 49752



INSTALLATION ANCHOR SCHEDULE							
INSTALLATION TYPE	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	EMBEDMENT (IN)	EDGE DISTANCE (IN)	ANCHOR CAPACITIES BASED ON
INSTALLATION CLIP OR THRU-FRAME	FLAT OR HEX HEAD	3/16"	CONCRETE	ITW TAPCONS (1)	1-1/2"	1-1/8"	MIN. 2000 PSI CONCRETE
				ELCO ULTRACONS	1-3/8"	1"	MIN. 2500 PSI CONCRETE
				ELCO CRETE-FLEX SS4	2"	2"	MIN. 2500 PSI CONCRETE
				HILTI KWIK-CON II	1-3/4"	1-1/8"	MIN. 2000 PSI CONCRETE
			MASONRY (BLOCK/CMU)	ITW TAPCONS (1)	1"	2"	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT
				ELCO ULTRACONS	1-1/4"	1"	
				ELCO CRETE-FLEX SS4	1-1/4"	2"	
				HILTI KWIK-CON II	1"	1-1/8"	
INSTALLATION CLIP, INSTALLATION CLIP - BENT OR THRU-FRAME	FLAT OR PAN HEAD	NO. 10	WOOD	ANSI B18.6.1 (WOOD SCREW) (2) (4)	1-3/8"	3/4" LATERAL 1/2" WITHDRAWAL (3)	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.55.
				ASME B18.6.4 (TAPPING SCREW) (2) (4)			
			20 GAUGE (0.0346" MIN. THK.) STEEL INCLUDING STEEL STUDS	ASME B18.6.4 (TAPPING SCREW) (4)	FULLY PENETRATE SUBSTRATE WITH 3 THREADS PROTRUDING INTERNALLY	5/16"	ASTM A-653 STEEL, 33 KSI YIELD STRENGTH STEEL OR BETTER
			1/8" MIN. THK. A-36 STEEL OR BETTER	ASME B18.6.4 (TAPPING SCREW) (4)		5/16"	ASTM A-36 STEEL, 36 KSI YIELD STRENGTH STEEL OR BETTER
			1/8" MIN. THK. 6063-T5 ALUMINUM OR BETTER	ASME B18.6.4 (TAPPING SCREW) (4)		3/8"	6063-T5 ALUMINUM OR BETTER

**NOTES:**  
1) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.  
2) FOR WOOD AND TAPPING SCREWS INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 7/64" PILOT HOLE FOR LATERAL APPLICATIONS AND 3/32" FOR WITHDRAWAL APPLICATIONS. SEE NOTE 3 BELOW FOR FURTHER DEFINITION.  
3) LATERAL IS APPLICABLE TO INSTALLATION CLIP AND THRU-FRAME; WITHDRAWAL IS APPLICABLE TO INSTALLATION CLIP - BENT.  
4) WOOD AND TAPPING SCREWS SHALL CONFORM TO A GRADE 5 STRENGTH OF 92 KSI YIELD STRENGTH AND 120 KSI ULTIMATE STRENGTH.

**TABLE NOTED - THIS SHEET**

1. INSTALLATION ANCHOR SCHEDULE

1.1. THIS TABLE LISTS APPROVED ANCHOR SPECIFICATIONS BASED ON THE INSTALLATION TYPE AND SUBSTRATE.
2. WINDOW SIZE VS. DESIGN PRESSURE (PSF) TABLE

2.1. THIS TABLE LISTS APPROVED DESIGN PRESSURE AT VARIOUS WINDOW SIZES.

2.2. ALL SIZES IN TABLE ARE BASED ON TESTED SIZES AND DO NOT EXCEED THE MAXIMUM WINDOW AREA TESTED.

2.3. DEFINITIONS:

2.3.1. INTERLAYER TYPE:

2.3.1.1. SG = DUPONT SENTRYGLAS

2.3.1.2. PVB = DUPONT BUTACITE

2.3.2. SEE SHEET 7 FOR G1, G2, G3 AND G4 CONFIGURATIONS.

WINDOW SIZE VS. DESIGN PRESSURE (PSF) TABLE					
WINDOW SIZE (in)		G1 or G2 (SG IG)		G3 or G4 (PVB IG)	
Long Leg Max (In)	Short Leg Max (In)	Positive (PSF)	Negative (PSF)	Positive (PSF)	Negative (PSF)
108	51.75	60	65	-	-
	31.00	60	65	-	-
	24.00	60	65	60	65
102	53.25	60	65	-	-
	32.75	60	65	-	-
	25.25	60	65	60	65
96	55.25	60	65	-	-
	35.00	60	65	-	-
	27.00	60	65	60	65
90	58.00	60	65	-	-
	36.25	60	65	-	-
	28.75	60	65	60	65
84	62.75	60	65	-	-
	37.25	60	65	-	-
	30.75	60	65	60	65
78	71.50	60	65	-	-
	38.50	60	65	-	-
	32.00	60	65	60	65
74.75	74.75	60	65	-	-
	39.25	60	65	-	-
	32.50	60	65	60	65
72	77.50	60	65	-	-
	40.25	60	65	-	-
	33.00	60	65	60	65
66	81.50	60	65	-	-
	43.00	60	65	-	-
	34.50	60	65	60	65
60	87.00	60	65	-	-
	49.00	60	65	-	-
	36.75	60	65	60	65
58	90.00	60	65	-	-
	58.00	100	100	-	-
	37.75	100	100	60	65
54	99.50	60	65	-	-
	58.00	100	100	-	-
	41.25	100	100	60	65
51	108.50	60	65	-	-
	58.25	100	100	-	-
	51.00	100	100	60	65

Approved as complying with the Florida Building Code  
Date 12-9-2012  
By [Signature]  
NOA# 12-9-24-02  
Miami Date Product Control

Robert J. Amoruso, P.E.  
Florida P.E. No. 49752

PROJECT # 411-1201.09

PELLA CORPORATION  
102 MAIN STREET  
PELLA, IA 50219

TITLE: SERIES 350 4-1/2" VINYL FIXED WINDOW - IMPACT  
GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS

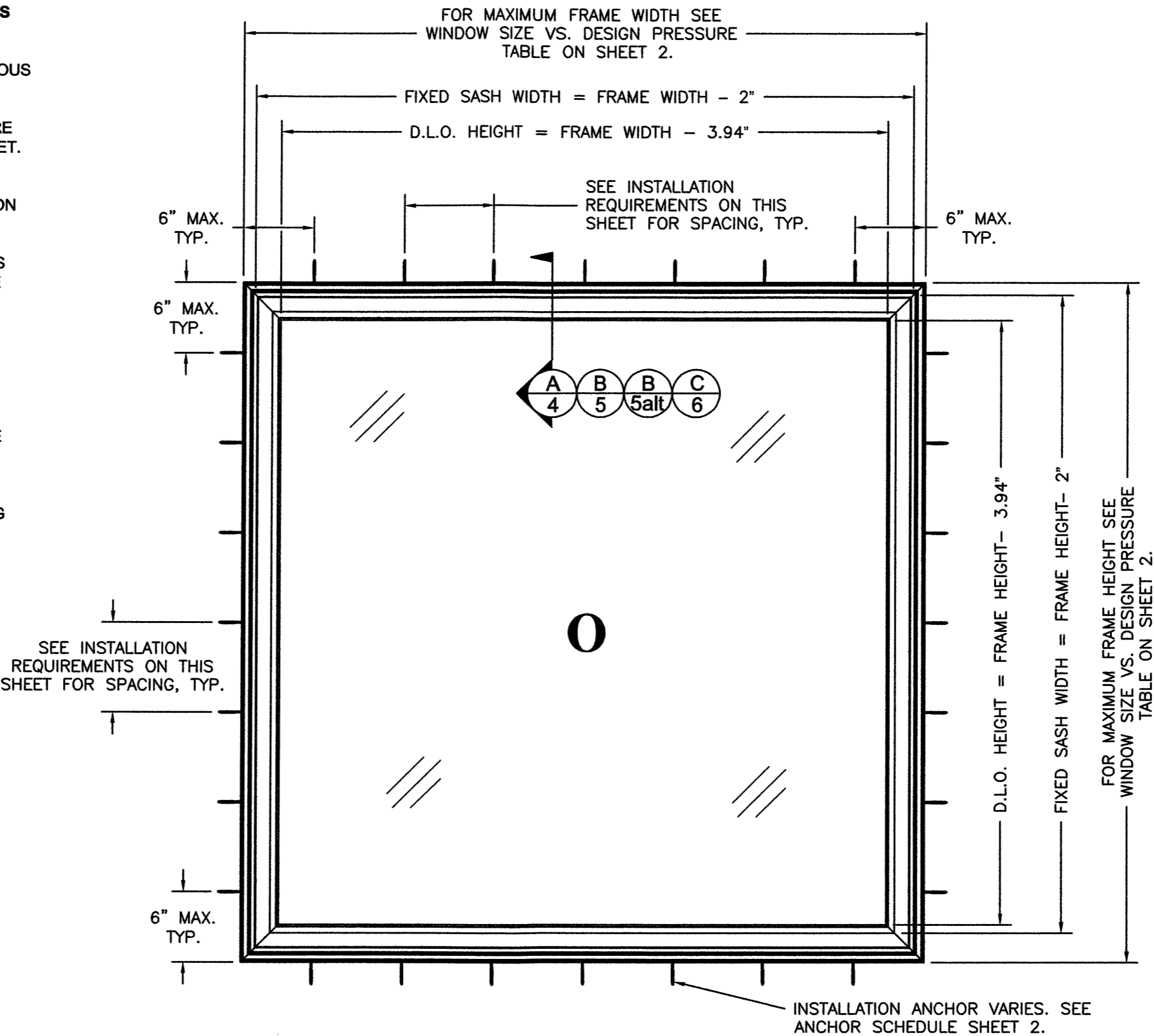
PREPARED BY: [Signature]  
DRAWN BY: RJA  
SCALE: N.T.S.  
REV: -

DATE: 09/13/12  
DRAWING NO: PELL-0023  
SHEET: 2 OF 8

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Email: info@ptc-corp.com

**SERIES 350 FIXED WINDOW INSTALLATION REQUIREMENTS**

1. SEE WINDOW SIZE VS. DESIGN PRESSURE TABLE ON SHEET 2 FOR APPROVED DESIGN PRESSURE AT VARIOUS WINDOW SIZES.
2. END DISTANCE (ED) OF ANCHORS AT FRAME ENDS ARE DIMENSIONED ON ELEVATION DRAWING ON THIS SHEET.
3. MAXIMUM O.C. (ON CENTER) SPACING FOR ANCHORS BETWEEN THE FRAME END ANCHORS DIMENSIONED ON ELEVATION DRAWINGS ARE AS FOLLOWS.
  - 3.1. MAXIMUM O.C. (ON CENTER) SPACING IS 9 INCHES FOR ALL WINDOWS RATED TO DESIGN PRESSURE NOT EXCEEDING 65 PSF IN EITHER DIRECTION.
  - 3.2. MAXIMUM O.C. (ON CENTER) SPACING IS 7-3/4 INCHES FOR ALL WINDOWS RATED TO DESIGN PRESSURE GREATER THAN 65 PSF BUT NOT EXCEEDING 100 PSF IN EITHER DIRECTION.
4. QUANTITY OF ANCHORS ARE BASED ON MEETING THE O.C. SPACING REQUIREMENTS.
5. ANCHOR SPACINGS ABOVE ARE BASED ON ANCHOR SPACING USED IN TESTING OR REQUIRED BY LOADING AT DESIGN PRESSURE.



**SERIES 350 VINYL FIXED WINDOW**

EXTERIOR VIEW

BOX FRAME SHOWN, FLANGE AND FIN FRAMES ALSO APPROVED

RECTANGULAR WINDOW SHOWN. ALSO APPLICABLE TO WINDOWS WHERE (A) WIDTH EXCEEDS HEIGHT, (B) HEIGHT EXCEED WIDTH AND (C) GEOMETRIC SHAPES THAT CAN BE INSCRIBED INSIDE THE WINDOW SIZES SHOWN ON SHEET 2.

PROJECT # 411-1201.09

PELLA CORPORATION

102 MAIN STREET

PELLA, IA 50219

TITLE: SERIES 350 4-1/2" VINYL FIXED WINDOW - IMPACT

ELEVATION AND ANCHORING LAYOUT

PREPARED BY:

DRAWN BY: RJA

DATE: 09/13/12

DRAWING NO: PELL0023

SHEET: 3 OF 8

SCALE: N.T.S.

REV:

PTC PRODUCT DESIGN GROUP, LLC

PO BOX 520775

LONGWOOD, FLORIDA 32752

FBPE C.A. NO. 25355

Phone: 321.680.1788

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Approved as complying with the Florida Building Code

Date: 12-01-2012

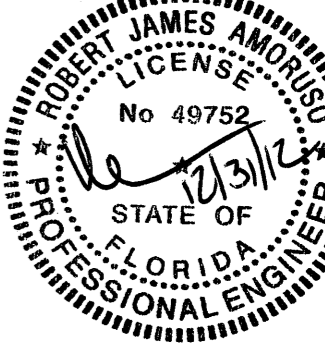
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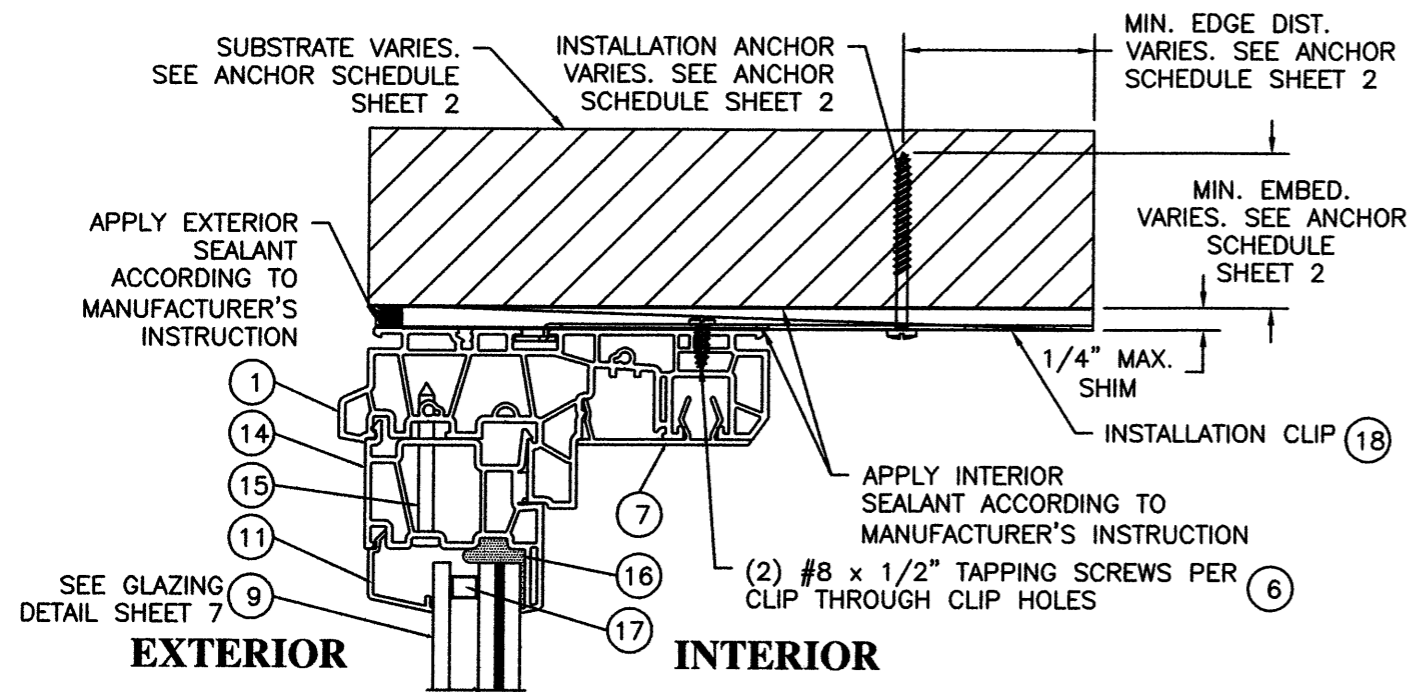
Miami Dade Product Control

By: [Signature]

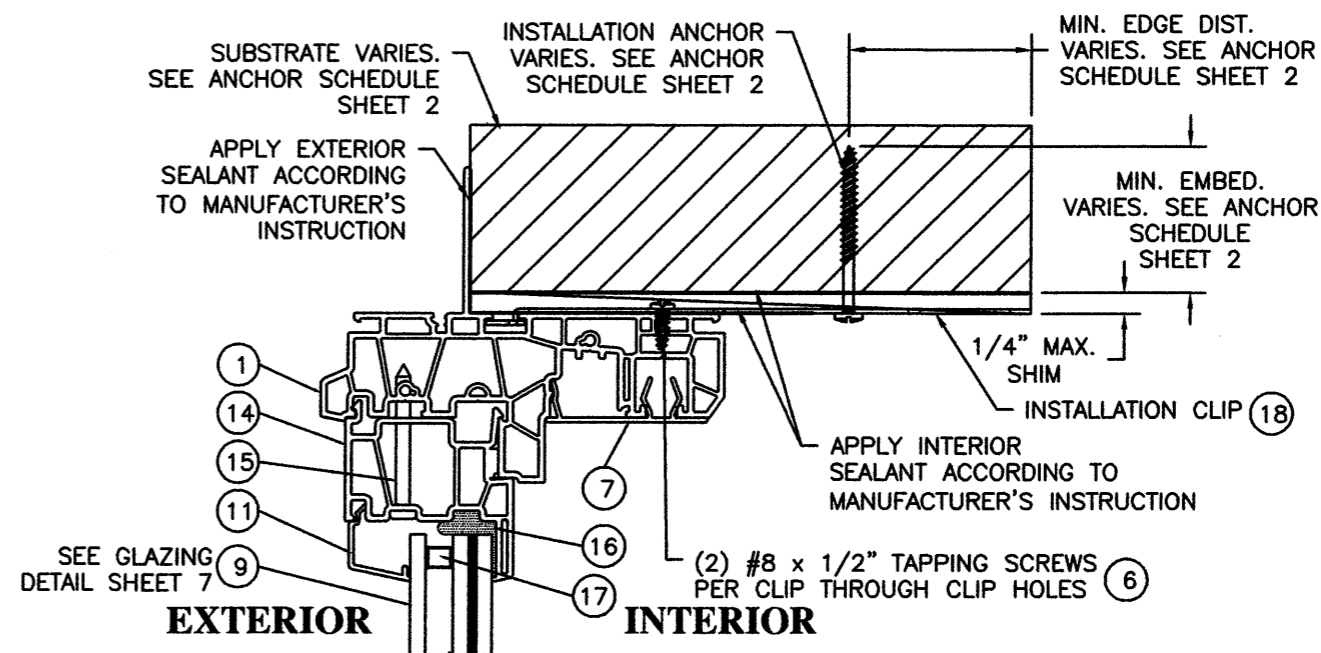
Robert J. Amoroso, P.E.

Florida P.E. No. 49752

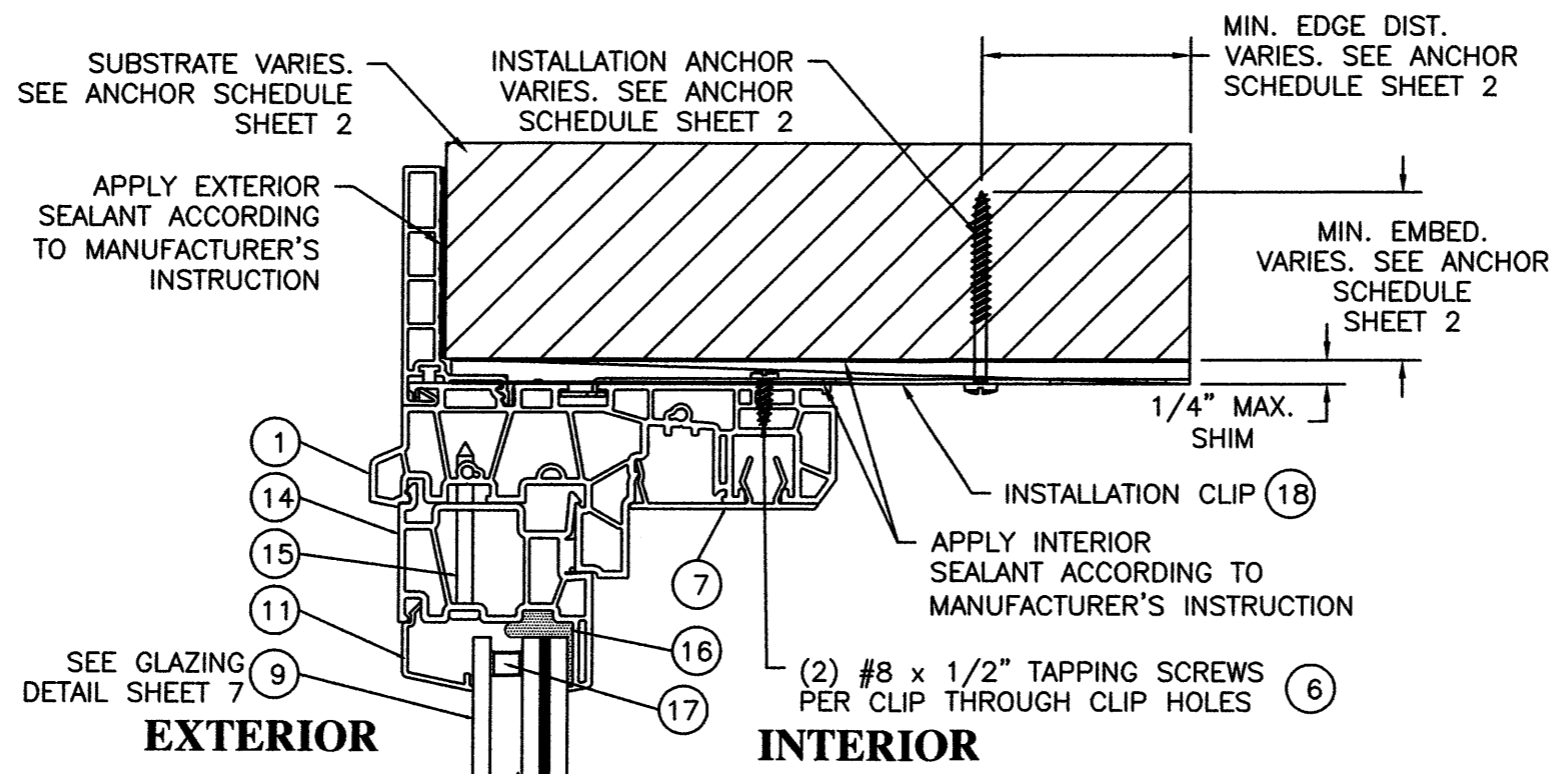




**A**  
**4** **INSTALLATION CROSS SECTION**  
BOX FRAME, CLIP INSTALLATION  
HEAD SHOWN, SILL AND JAMB SIMILAR



**A**  
**4** **INSTALLATION CROSS SECTION**  
FIN FRAME, CLIP INSTALLATION  
HEAD SHOWN, SILL AND JAMB SIMILAR



**A**  
**4** **INSTALLATION CROSS SECTION**  
FLANGE FRAME, CLIP INSTALLATION  
HEAD SHOWN, SILL AND JAMB SIMILAR

PROJECT # 411-1201.09

PELLA CORPORATION  
102 MAIN STREET  
PELLA, IA 50219

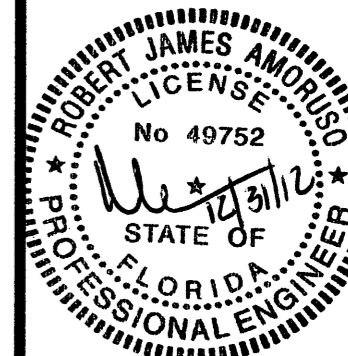
TITLE: SERIES 350 4-1/2" VINYL FIXED WINDOW - IMPACT  
CLIP INSTALLATION SECTIONS

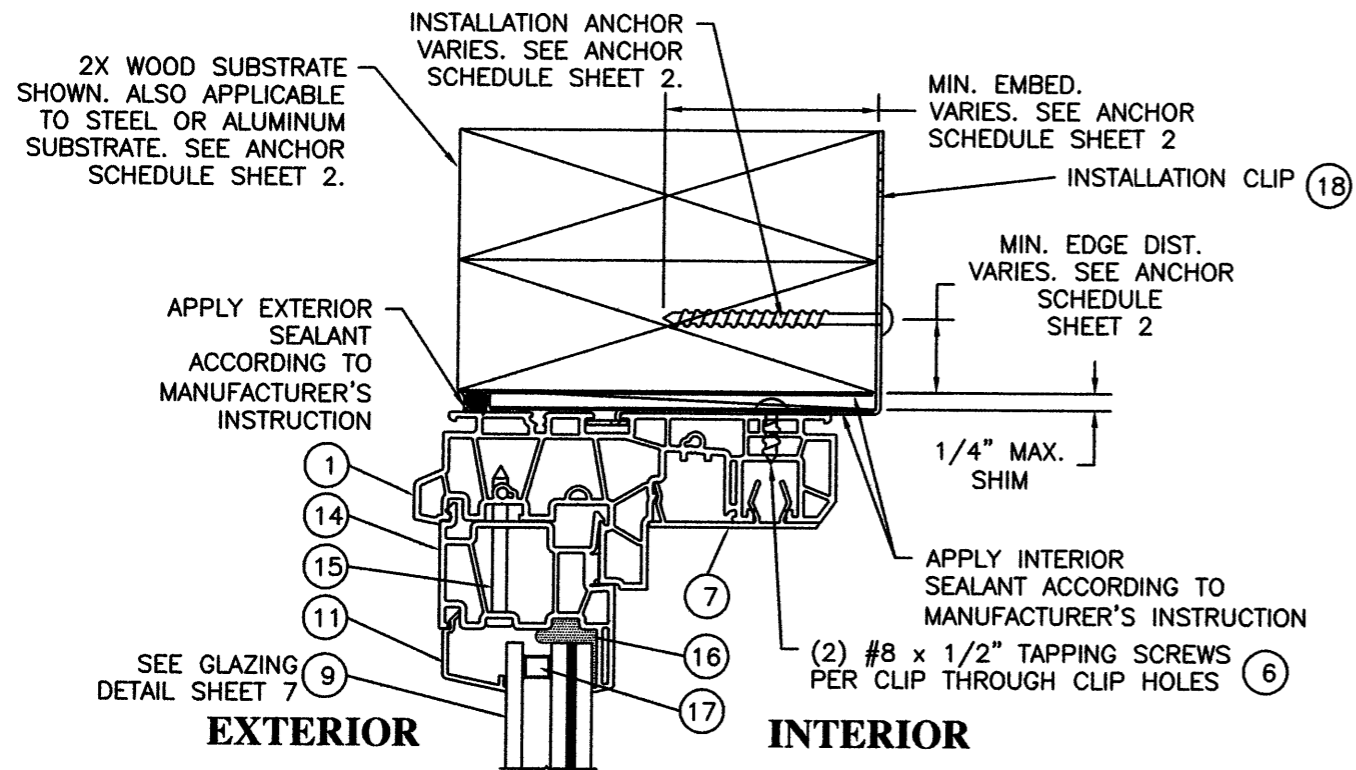
PREPARED BY: RJA  
DATE: 09/13/12  
SCALE: N.T.S.  
DRAWING NO: PELL0023  
SHEET: 4 OF 8

PTC PRODUCT DESIGN GROUP, LLC  
PO BOX 520775  
LONGWOOD, FLORIDA 32752  
Phone: 321.690.1788  
Fax: 321.690.1789  
Email: info@ptc-corp.com

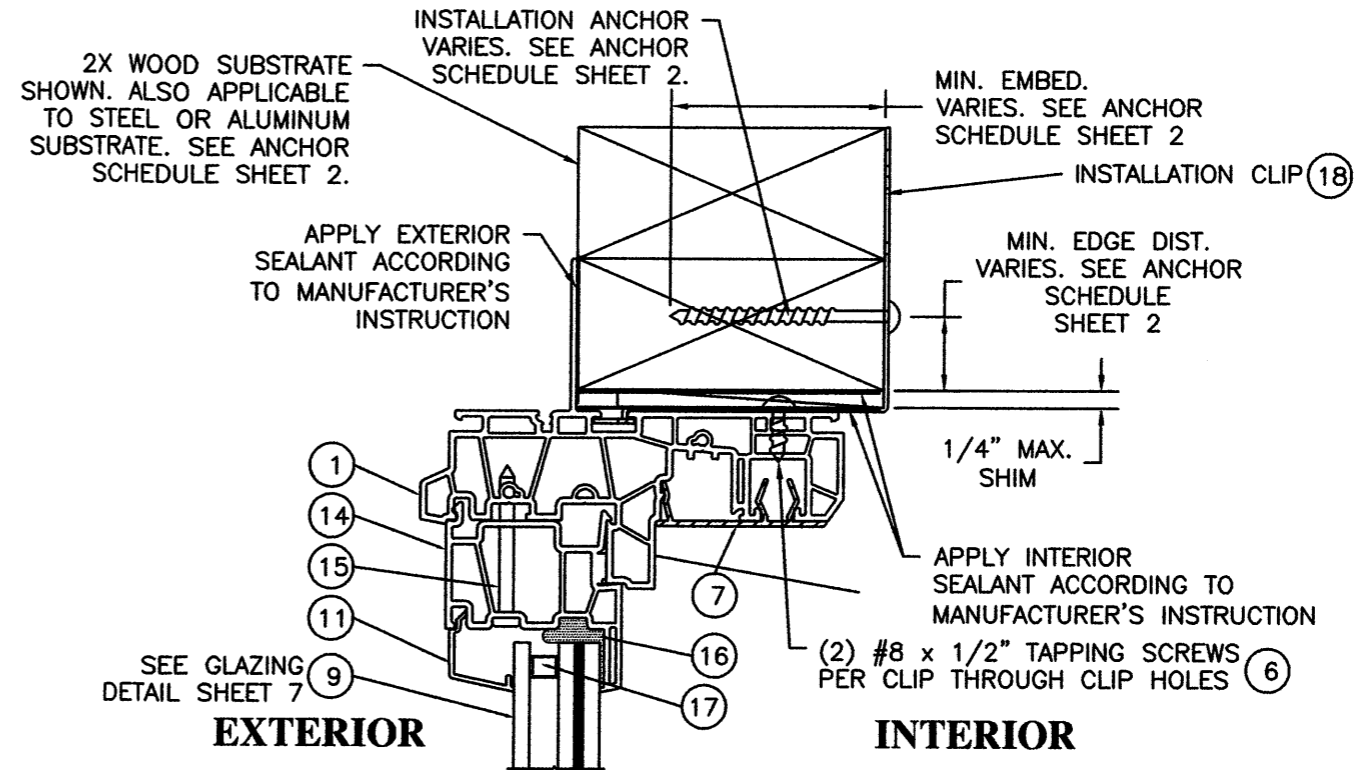
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Florida Building Code  
Date: 12-06-2012  
NOA# 12-0624-062  
Miami Code Product Control  
By: [Signature]

Robert J. Amoruso, P.E.  
Florida P.E. No. 49752

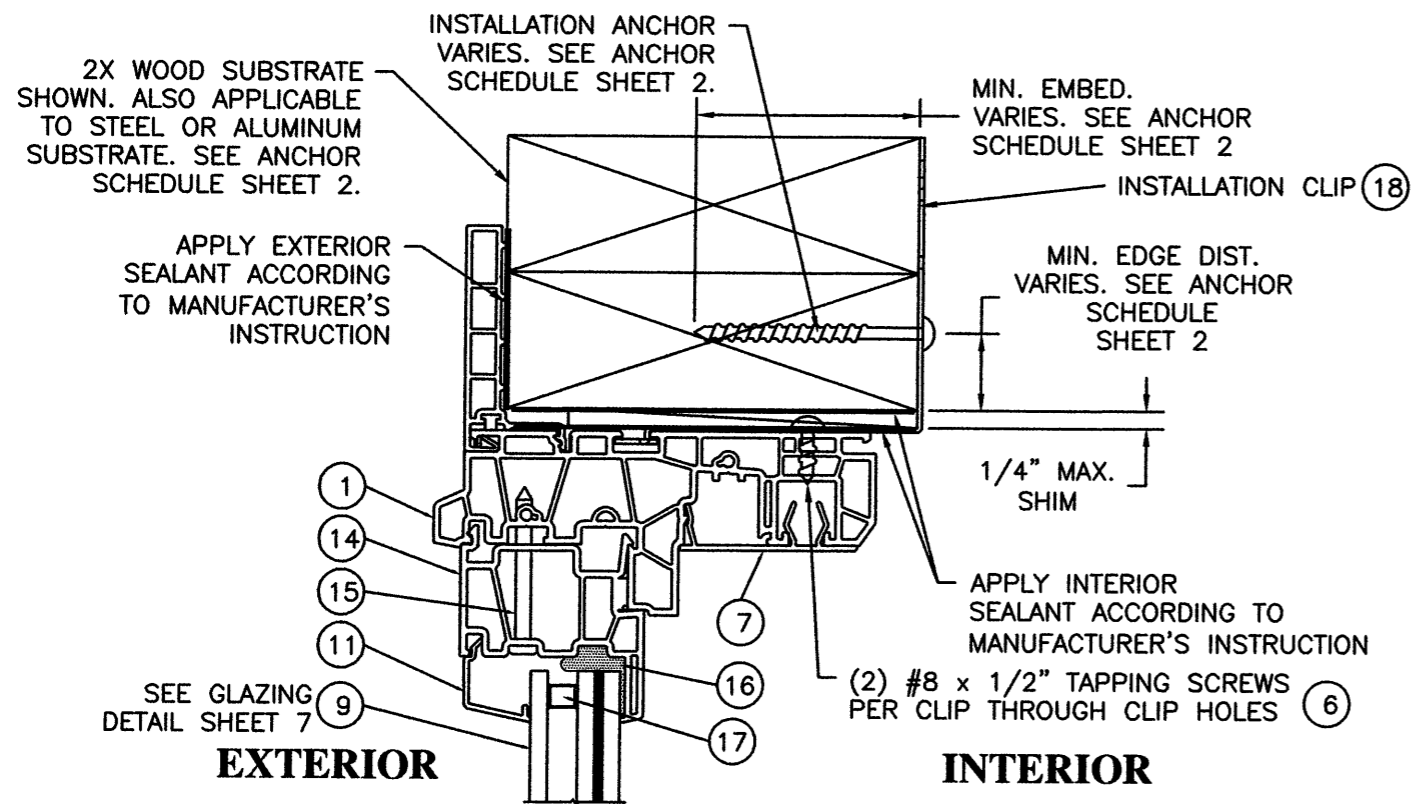




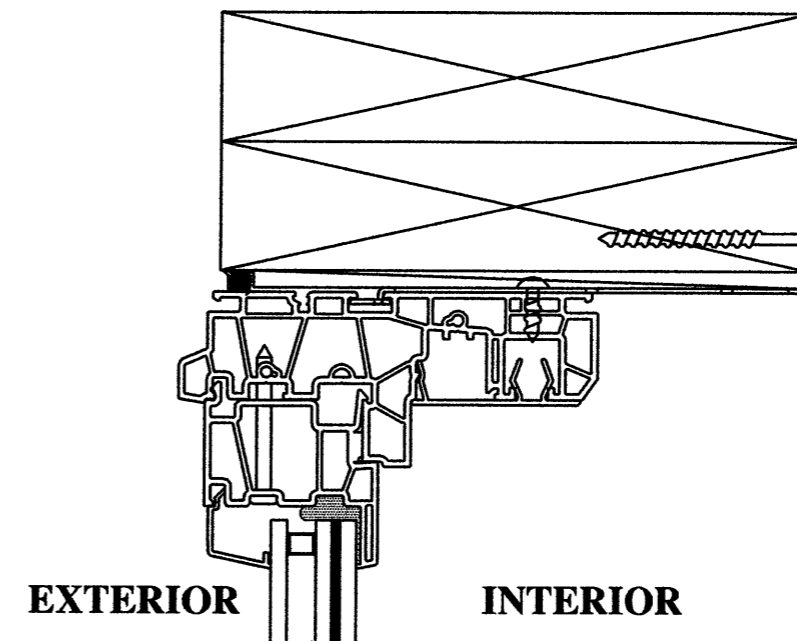
**B/5 INSTALLATION CROSS SECTION**  
BOX FRAME, BENT CLIP INSTALLATION  
HEAD SHOWN, SILL AND JAMB SIMILAR



**B/5 INSTALLATION CROSS SECTION**  
FIN FRAME, BENT CLIP INSTALLATION  
HEAD SHOWN, SILL AND JAMB SIMILAR



**B/5 INSTALLATION CROSS SECTION**  
FLANGE FRAME, BENT CLIP INSTALLATION  
HEAD SHOWN, SILL AND JAMB SIMILAR



**B/9alt ALTERNATE INSTALLATION CROSS SECTION**  
BOX FRAME SHOWN  
(ALSO APPLICABLE TO FIN AND FLANGE FRAME)  
ALTERNATE BENT CLIP INSTALLATION  
HEAD SHOWN, SILL AND JAMB SIMILAR  
SEE OTHER B/9 SECTIONS FOR DETAILS

PROJECT # 411-1201.09

PELLA CORPORATION  
102 MAIN STREET  
PELLA, IA 50219

TITLE: SERIES 350 4-1/2" VINYL FIXED WINDOW - IMPACT  
BENT CLIP INSTALLATION SECTIONS

DATE: 09/13/12

DRAWING NO: PELL0023

SHEET: 5 OF 8

PREPARED BY: RJA

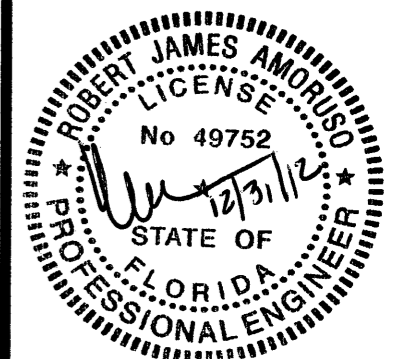
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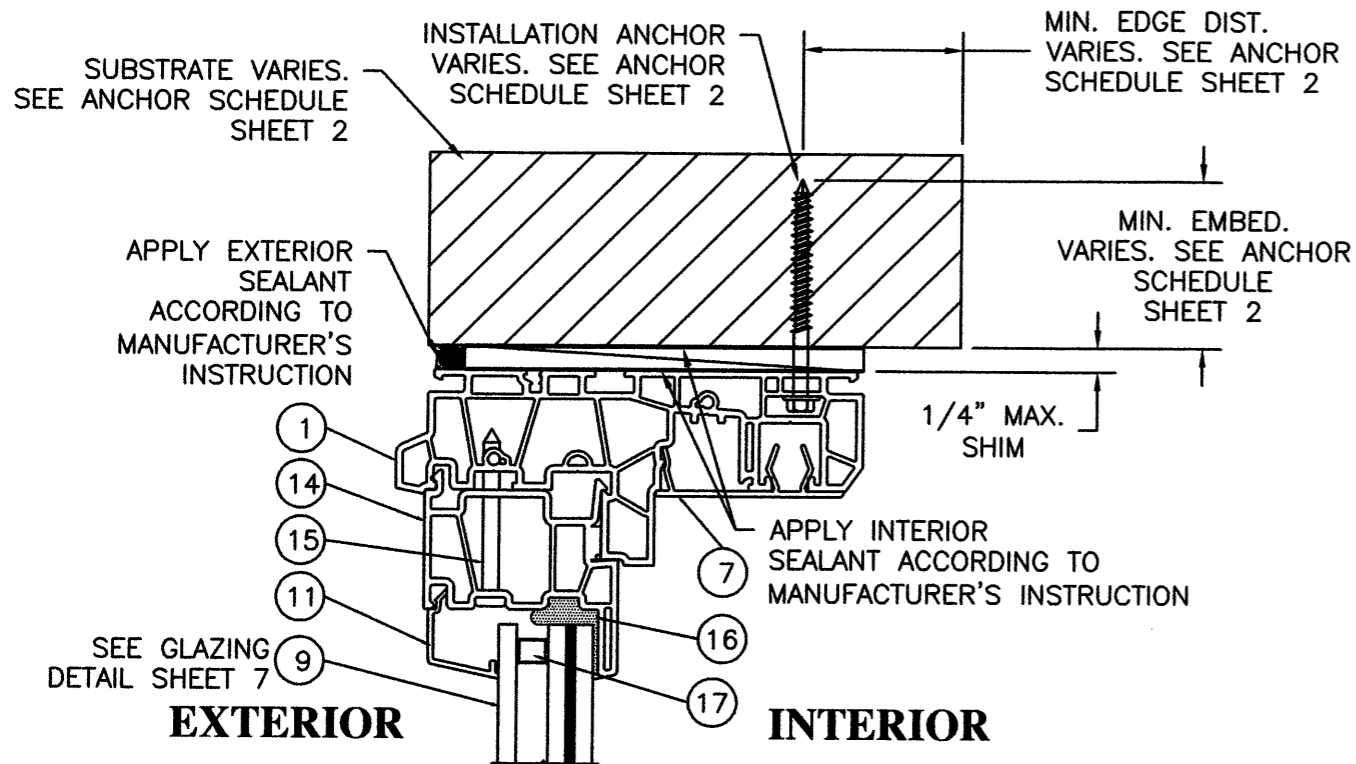
REV: -

PTC PRODUCT DESIGN GROUP, LLC  
PO BOX 520775  
LONGWOOD, FLORIDA 32752  
FBPE C.A. NO. 25935

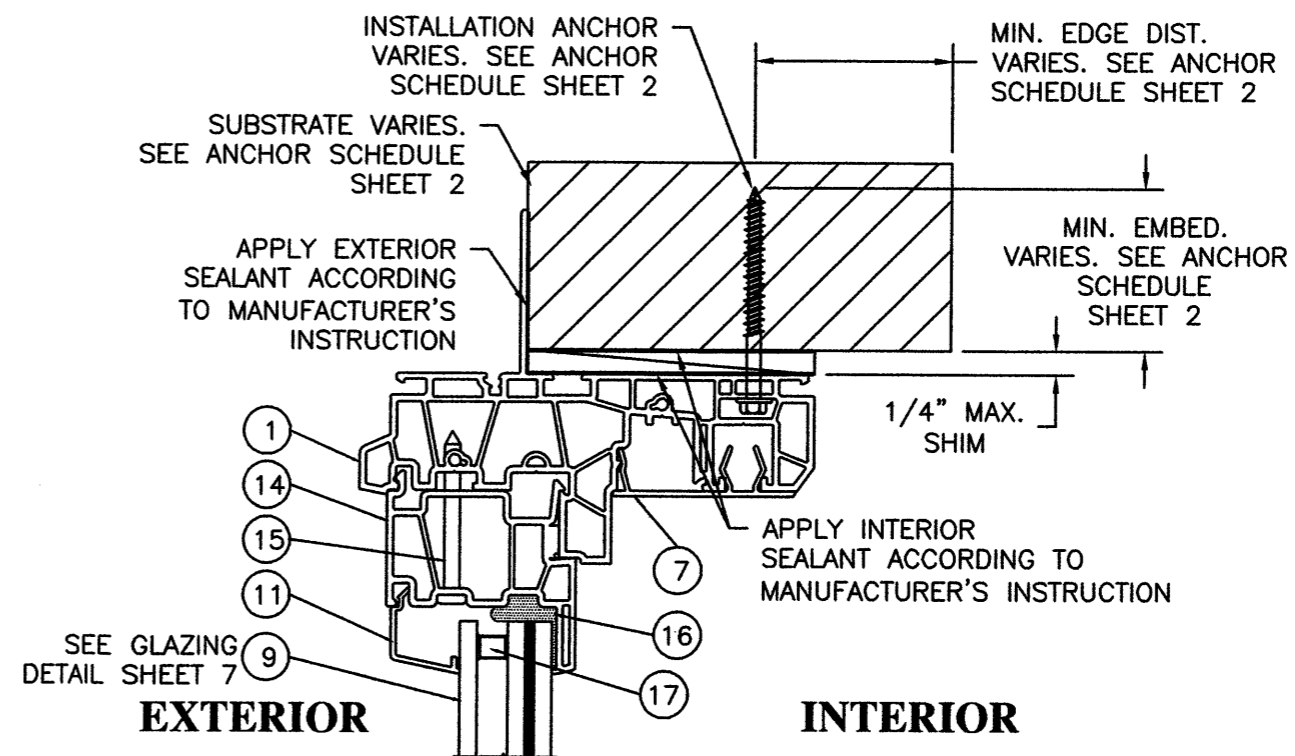
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Florida Building Code  
Date 12-06-2013  
NOA# 12-0624-02  
Miami Dade Product Control  
By *[Signature]*

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Florida P.E. No. 49752

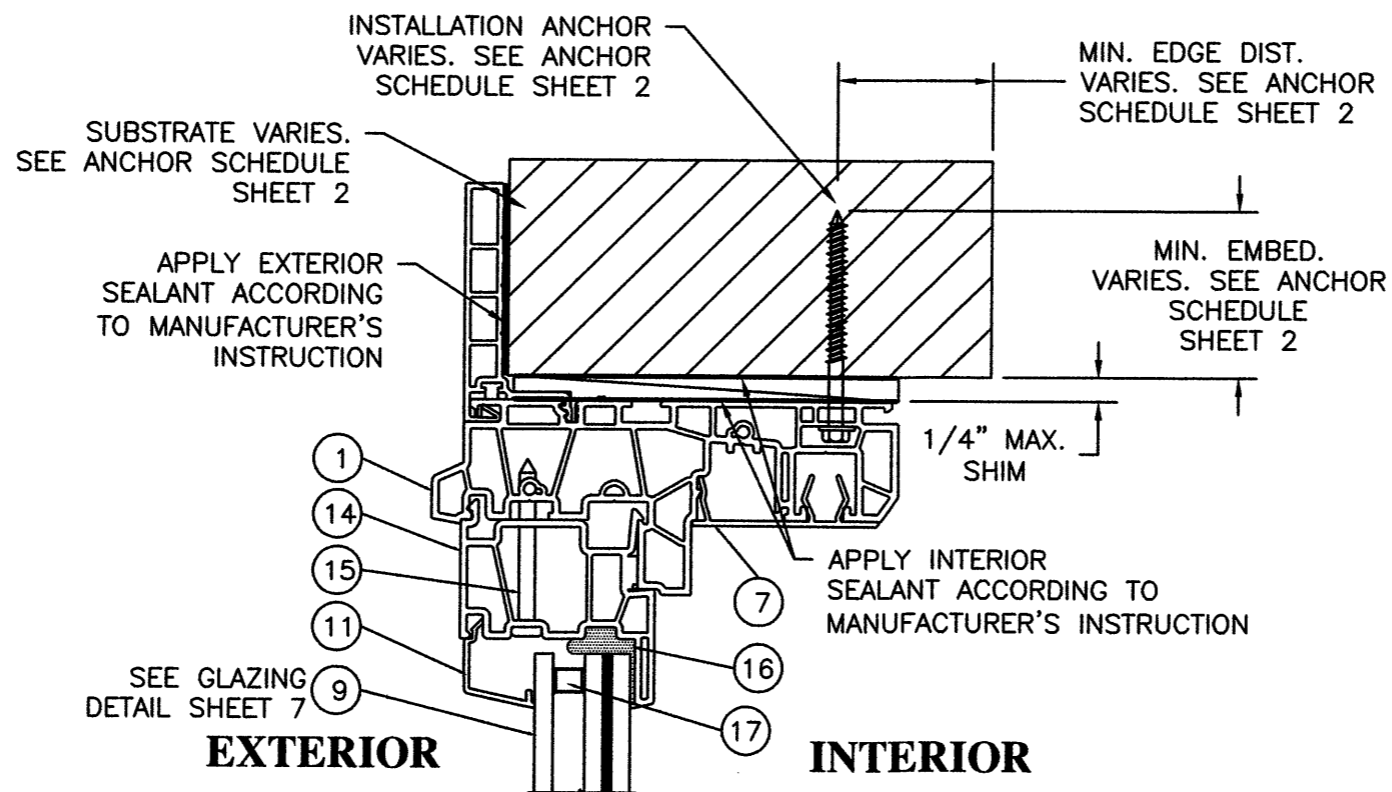




**C**  
**6** **INSTALLATION CROSS SECTION**  
BOX FRAME, THRU FRAME INSTALLATION  
HEAD SHOWN, SILL AND JAMB SIMILAR



**C**  
**6** **INSTALLATION CROSS SECTION**  
FIN FRAME, THRU FRAME INSTALLATION  
HEAD SHOWN, SILL AND JAMB SIMILAR



**C**  
**6** **INSTALLATION CROSS SECTION**  
FLANGE FRAME, THRU FRAME INSTALLATION  
HEAD SHOWN, SILL AND JAMB SIMILAR

PROJECT # 411-1201.09

PELLA CORPORATION  
102 MAIN STREET  
PELLA, IA 50219

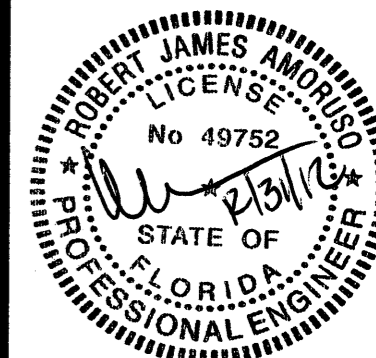
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THRU FRAME INSTALLATION SECTIONS

DATE: 09/13/12  
DRAWN BY: RJA  
SCALE: N.T.S.  
SHEET: 6 OF 8  
PELL0023

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Approved as complying with the  
Florida Building Code  
Date: 12-01-17  
NOA# 12-6924-02  
Miami Dade Product Control  
By: *[Signature]*

Robert J. Amoroso, P.E.  
Florida P.E. No. 49752



**1. APPROVED GLAZING CONFIGURATIONS (SEE NOTES 3, 4 AND 5)**

1.1.1. G1 = 1" OA IGU LAMINATED INSULATED GLASS CONSISTING OF THE FOLLOWING FROM EXTERIOR: 3/16" ANNEALED - 3/8" AIR SPACE - 3/16" ANNEALED + 0.090" SENTRYGLAS BY DUPONT + 3/16" ANNEALED. SEE NOTE 3 AND 5 BELOW.

1.1.2. G2 = 1" OA IGU LAMINATED INSULATED GLASS CONSISTING OF THE FOLLOWING FROM EXTERIOR: 3/16" TEMPERED - 3/8" AIR SPACE - 3/16" ANNEALED + 0.090" SENTRYGLAS BY DUPONT + 3/16" ANNEALED. SEE NOTE 3 AND 4 BELOW.

1.2.1. G3 = 1" OA IGU LAMINATED INSULATED GLASS CONSISTING OF THE FOLLOWING FROM EXTERIOR: 3/16" ANNEALED - 3/8" AIR SPACE - 3/16" ANNEALED + 0.090" PVB BUTACITE BY DUPONT + 3/16" ANNEALED. SEE NOTE 3 AND 5 BELOW.

1.2.2. G4 = 1" OA IGU LAMINATED INSULATED GLASS CONSISTING OF THE FOLLOWING FROM EXTERIOR: 3/16" TEMPERED - 3/8" AIR SPACE - 3/16" ANNEALED + 0.090" PVB BUTACITE BY DUPONT + 3/16" ANNEALED. SEE NOTE 3 AND 4 BELOW.

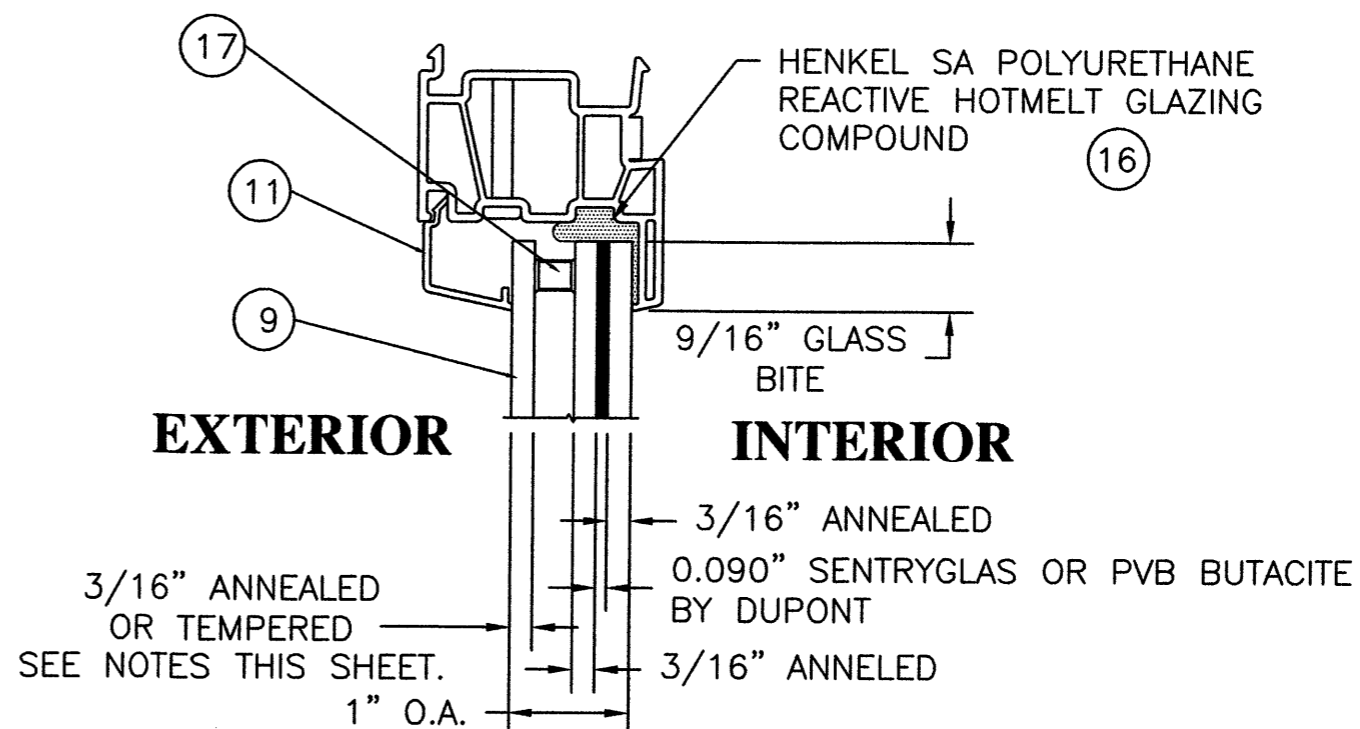
2. SEE TABLE WINDOW SIZE VS. DESIGN PRESSURE ON SHEET 2 FOR APPROVED CONFIGURATIONS. ALL SIZES IN TABLE ARE BASED ON TESTED SIZES AND DO NOT EXCEED THE MAXIMUM WINDOW AREA TESTED.

3. GLAZING DETAILS G1, G2, G3 AND G4 MEET LARGE MISSILE IMPACT REQUIREMENTS AT HEIGHTS UP TO 30 FEET ABOVE GRADE AS REQUIRED BY 2010 FBC, SECTION 2411.3.3.7.

4. GLAZING DETAILS G2 AND G4 MEET SMALL MISSILE IMPACT REQUIREMENTS AT HEIGHTS GREATER THAN 30 FEET ABOVE GRADE AS REQUIRED BY 2010 FBC, SECTION 2411.3.3.77.

5. GLAZING DETAILS G1 AND G3 DO NOT MEET SMALL MISSILE IMPACT REQUIREMENTS AT HEIGHTS GREATER THAN 30 FEET ABOVE GRADE AS REQUIRED BY 2010 FBC, SECTION 2411.3.3.77.

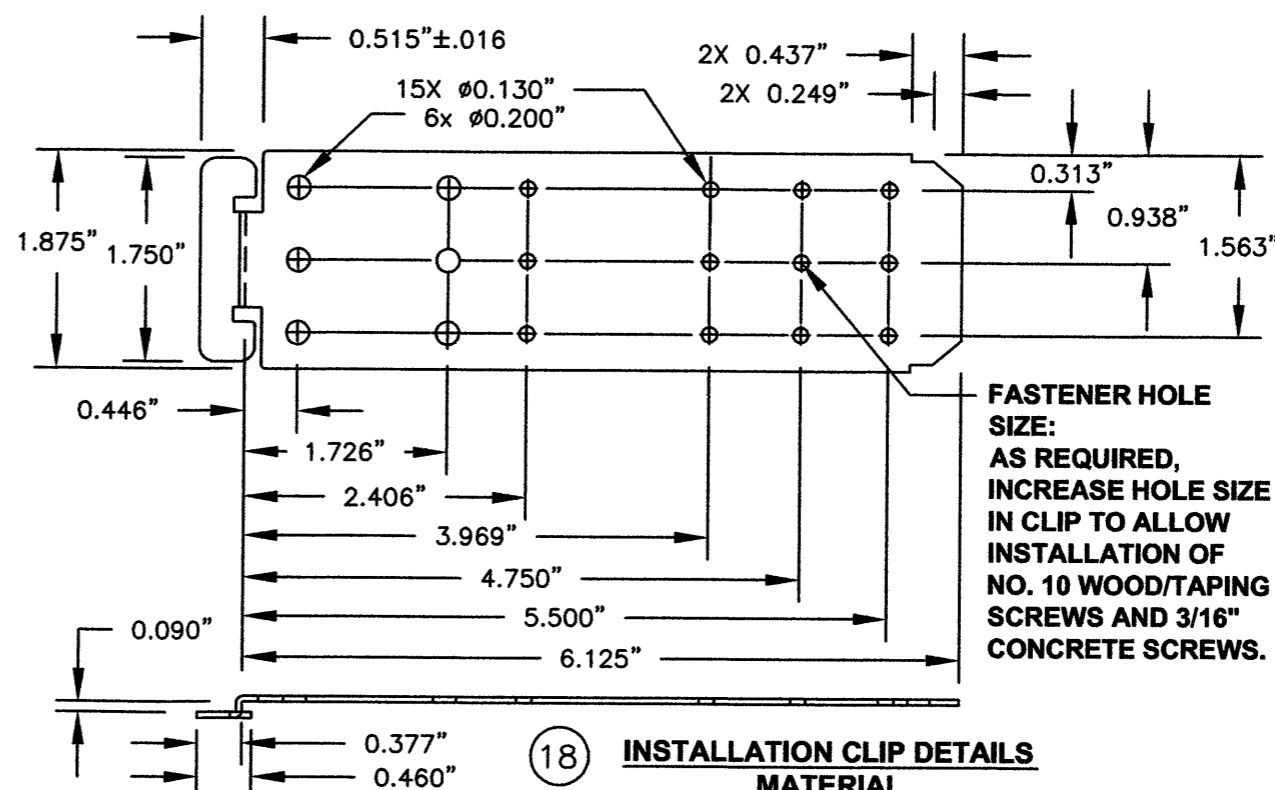
6. A MINIMUM OF TWO (2) NEOPRENE SETTING BLOCKS WITH 70 TO 90 SHORE A DUROMETER HARDNESS ARE REQUIRED AT BOTTOM (SILL) OF FIXED GLAZING LITES MORE THAN 3 FEET IN WIDTH IN ACCORDANCE WITH 2010 FBC, SECTION 2411.3.3.1.



## GLAZING DETAIL

**RAIL SHOWN - STILE SIMILAR**

**(SEE NOTES ON THIS SHEET. SEE DP TABLE ON SHEET 2.)**



**FASTENER HOLE  
SIZE:  
AS REQUIRED,  
INCREASE HOLE SIZE  
IN CLIP TO ALLOW  
INSTALLATION OF  
NO. 10 WOOD/TAPING  
SCREWS AND 3/16"  
CONCRETE SCREWS.**

**(18) INSTALLATION CLIP DETAILS**  
**MATERIAL**  
**.0516 ±.003" HOT DIP GALV. SHEET STEEL**  
**ROCKWELL "B" 65 MAX.**  
**ULTIMATE STRENGTH = 55 KSI MIN.**  
**YIELD STRENGTH = 30 KSI MIN.**

**PROJECT # 411-1201.09**

**PELLA CORPORATION**  
102 MAIN STREET

**TITLE:** PELLA, IA 50219  
**SERIES 350 4-1/2" VINYL FIXED WINDOW - IMPACT**  
**GLAZING DETAIL AND NOTES, INSTALLATION CLIP DETAILS**

## CLIP DETAILS

**ALL**

1211

25

104

10

147

---

10

DATE

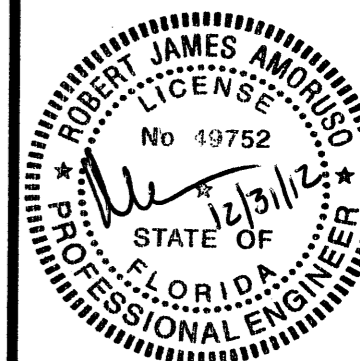
2007

513

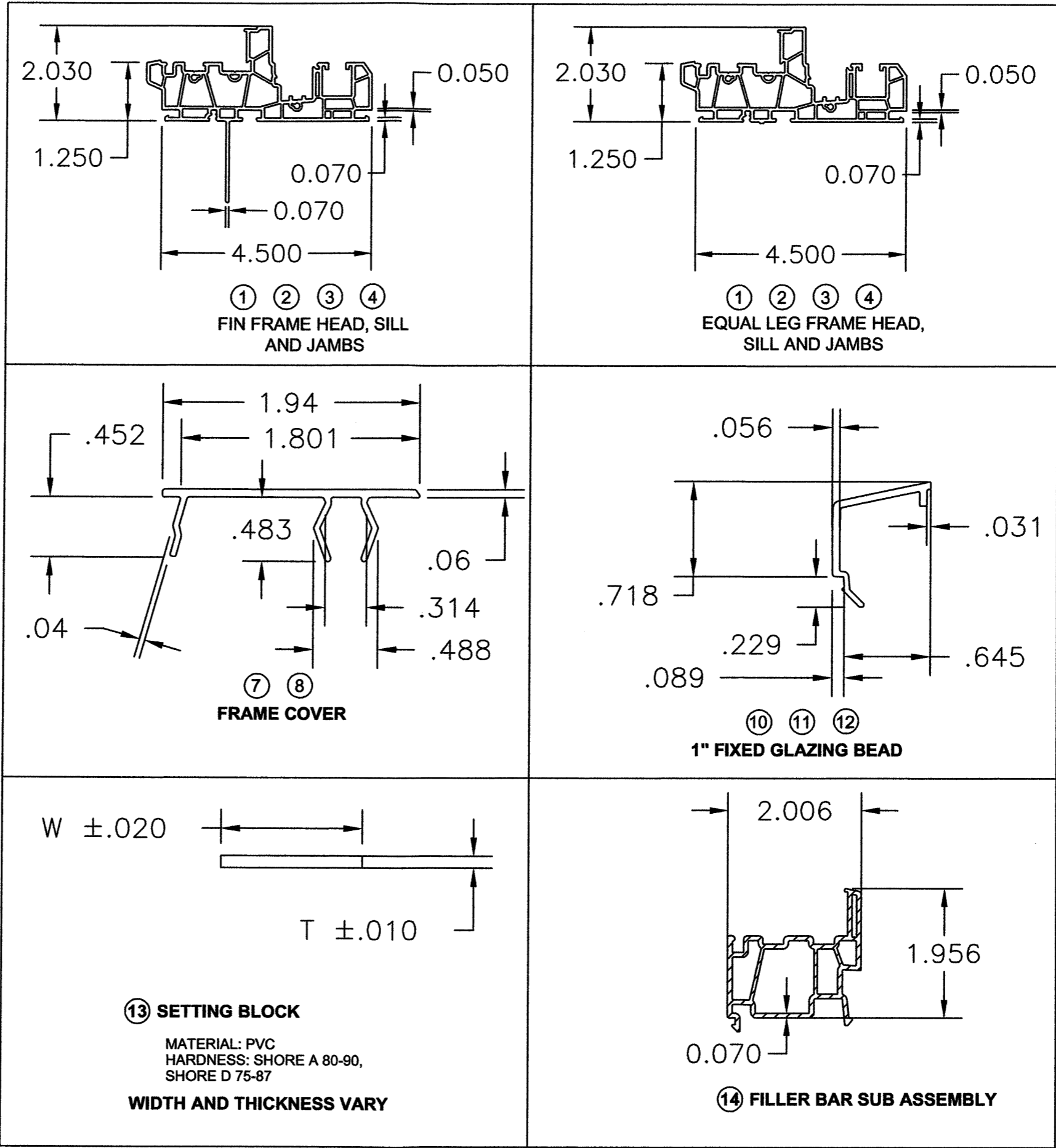
Approved as complying with the  
Florida Building Code  
Date \_\_\_\_\_  
NOA# 12-0924.  
Miami Dade Product Control

By John M. [Signature]

Robert J. Amoruso, P.E.  
Florida P.E. No. 49752



BILL OF MATERIALS		
ITEM NO.	DESCRIPTION	QTY
1	FRAME SILL	1
2	FRAME HEAD	1
3	FRAME JAMB, LEFT	1
4	FRAME JAMB, RIGHT	1
5	TRANSITION BAR ASSEMBLY	-
6	#8 X 1/2" PAN HEAD TAPPING SCREW	AS REQUIRED
7	FRAME COVER, WIDTH	2
8	FRAME COVER, HEIGHT	2
9	1" LAMINATED IG ASSEMBLY (DUPONT BUTACITE PVB)	1
	1" LAMINATED IG ASSEMBLY (DUPONT SENTRYGLAS)	1
10	1" FIXED GLAZING BEAD, RAIL, BOTTOM, WITH WEEPS	1
11	1" FIXED GLAZING BEAD, RAIL, TOP	1
12	1" FIXED GLAZING BEAD, STILE	2
13	SETTING BLOCK	8
14	FILLER BAR SUB ASSEMBLY	4
15	#8 X 1 3/4" PHILLIPS PAN HEAD SHEET METAL SCREW (SS)	O.C. SPACING EVERY 8"
16	HENKEL SA POLYURETHANE REACTIVE HOTMELT GLAZING COMPOUND	1
17	9.8MM (3/8") STAINLESS STEEL SPACE BY CARDINAL GLASS	AS REQUIRED
18	INSTALLATION CLIP - SEE SHEET 7 OF 8	AS REQUIRED



PROJECT # 411-1201.09

PELLA CORPORATION  
102 MAIN STREET  
PELLA, IA 50219

TITLE: SERIES 350 4-1/2" VINYL FIXED WINDOW - IMPACT  
BILL OF MATERIALS AND COMPONENT DETAILS

DATE: 09/13/12  
DRAWING NO: PELL0023  
SCALE: N.T.S.  
REV: -

SHEET: 8 OF 8

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Date: 12-26-2013  
NOA# 12-6924-02  
Miami Dept. Product Control

By: *[Signature]*

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Florida P.E. No. 49752

